NILES®

FOR USE IN MUSIC OR HOME THEATER SYSTEMS

12" POWERED SUBWOOFER

SW300

CONGRATULATIONS!

Thank you for choosing the **SW300 12-inch, Powered, Subwoofer** from Niles. With proper installation and operation, you should enjoy years of trouble-free use.

Niles manufactures the industry's most complete line of custom installation components and accessories for audio/video systems. To see the complete Niles product assortment, visit us on the Internet at: **www.nilesaudio.com**

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INTRODUCTION

The Niles SW300 12-inch, Powered, Subwoofer is expressly designed for superior sonic quality in home theater and music applications. It employs advanced technology components that extract powerful bass in recorded music or the thunderous deep sound effects in a movie. The SW300 is the perfect choice wherever enhanced bass sound is an important consideration.

SW300

IMPORTANT SAFETY INSTRUCTIONS

⚡ **CAUTION** ⚠

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equivalent triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture

1. Read these instructions.

2. Keep these instructions

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with a dry cloth.

7. Do not block any ventilation openings. Install in according with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

16. To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC receptacle.

17. The main plug of the power supply cord shall remain readily operable.

FEATURES AND BENEFITS

12-INCH WOOFER WITH CARBON-FIBER-IMPREGNATED PAPER CONE AND BUTYL-RUBBER SURROUND

The SW300 features a 12-inch long-throw, front-firing woofer with a Carbon-Fiber-Impregnated Paper Cone combined with a Butyl-Rubber Surround for maximum bass response with reduced sonic breakup and lower distortion.

SOPHISTICATED MOTOR ASSEMBLY WITH HIGH BL MAGNET, EXTENDED POLE PIECE, AND CAST ALUMINUM DRIVER BASKET/FRAME

The SW300's woofer features a sophisticated motor assembly that combines a high BL magnet and extended pole piece for deep bass response and clean bass tones. Moreover, the cast aluminum driver basket/frame provides extra rigidity to the entire assembly for consistent performance over prolonged use.

ADVANCED DIGITAL AMPLIFIER CREATES AMPLE POWER WITH LITTLE HEAT

Powered by an internal 300-watt (rms) advanced digital amplifier, the SW300 can easily reproduce 600-watt peaks with very little heat produced. Niles uses the latest digital technology so bass response will be extremely fast and absolutely accurate, no matter what audio material is being reproduced.

SEPARATE SUBWOOFER LEVEL CONTROLS AND TRIGGER INPUT FOR MOVIES OR MUSIC

Separate subwoofer level controls for music and movies provide the right bass levels for different types of programs. When activated by 12 volts input, the SW300's MOVIE MODE trigger input will automatically adjust the bass level appropriate for the source material.

RCA LINE-LEVEL AND LOUDSPEAKER-LEVEL INPUTS

In addition to gold-plated RCA line-level inputs, the SW300 features a gold-plated, non-filtered RCA LFE (Low Frequency Effects) line-level input for a direct connection from a 5.1 or 7.1 home theater sound processor. Using the "LFE" input bypasses the "Low Pass" frequency control.

The SW300 also has gold-plated, loudspeaker-level, five-way binding-post input connections. Using this input allows control over the "Low Pass" frequency output of the SW300.

ADJUSTABLE LOW-PASS, HIGH-PASS, AND PHASE CONTROLS

Variable low-pass and high-pass filters divide the incoming stereo audio spectrum into separate signal paths for the mono subwoofer reproduction and stereo pass-through to a pair of satellite loudspeakers. A fully-adjustable (0-to-180 degree) phase control ensures optimal system integration, no matter where the SW300 is placed in the room.

MUSIC SENSE CIRCUITRY FOR AUTOMATIC POWER ON/OFF

When activated, the SW300's music sense circuits will continually monitor the audio inputs and automatically power on the subwoofer when audio signals are detected. Conversely, the music sense circuits will automatically power off the subwoofer, after a preset time, when signals are no longer present. The SW300 also includes a POWER TRIGGER input that allows a 12 volt input to remotely power on/off the SW300 in the same way.

CASCADE AUDIO OUTPUTS FACILITATE EASY CONNECTION OF ADDITIONAL WOOFERS

For larger rooms, or stereo subwoofer applications, several SW300's can be easily added to a home theater system using the cascading line-level audio outputs to feed additional SW300 audio inputs in a daisy-chain connection.

ATTRACTIVE, YET RIGID, COMPACT CABINET WITH REMOVABLE METAL GRILLE

The SW300 is housed in an attractive, compact, 11-layer no-void, birch-ply, cross-braced black cabinet that provides the ultimate in rigidity and sound clarity. The black perforated-metal grill is removable for those interested in showcasing the technology.

ADJUSTABLE ISOLATING FEET

The SW300 is equipped with four adjustable spike feet (pre-installed with large slip-on rubber covers) that mechanically couple the woofer cabinet to a hard floor. For carpet placement, the rubber covers can be removed to reveal the spikes.

DOLBY® DIGITAL READY

The SW300 is specifically designed for Home Theater Sound. This model exceeds the specifications set forth by Dolby Laboratories for the accurate reproduction of Dolby Digital-Encoded Sources.

INSTALLATION CONSIDERATIONS

RCA CABLE

For the best possible performance using the line-level connections, use high-quality RCA cables that feature low impedance and gold-plated connectors. Consult your local Niles dealer for their recommendations.
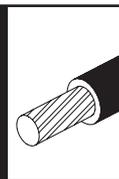
LOUDSPEAKER WIRE

Use 2-conductor loudspeaker wire when connecting loudspeakers to your receiver or amplifier. For most applications, we recommend using 16- or 18-gauge wire. For wiring runs longer than 80 feet, we recommend 14-gauge wire. The binding post terminals will accommodate up to 12-gauge wire directly. Larger sizes can be accommodated via pin connectors.

When running wire inside walls or ceilings, always use (CL-2 or CL-3) rated cable. In some areas, conduit is also required. For a trouble-free installation, low-voltage wire such as speaker wire must be run in accordance with the National Electrical Code and any applicable provisions of the local building code. If you are unsure of the correct installation techniques, wire jacket, or type of conduit to use, consult a professional audio/video installer, building contractor, or the local building and inspection department.

TECH TIP
Wire size is expressed by its AWG (American Wire Gauge) number – the lower the number, the larger the wire. For example, 12 AWG is physically larger than 14 AWG.

NOTE: THE NILES SW300 POWERED SUBWOOFER IS EXPRESSLY DESIGNED FOR USE IN HOME THEATER AND MUSIC APPLICATIONS. FOR HOME THEATER FRONT- OR CENTER-CHANNEL APPLICATIONS, WE RECOMMEND USING A NILES PHD, HDLCR, OR HDLCRBX LOUDSPEAKER. FOR REAR-CHANNEL APPLICATIONS, WE RECOMMEND USING A NILES HDFX, CM6HDFX, OR DS LOUDSPEAKER.

SW300 PLACEMENT

THE BOUNDARY EFFECT

Placing an SW300 in a corner can powerfully affect the way a listener perceives bass response. Known as the boundary effect, a placement close to a wall/ceiling boundary or near a corner-wall boundary will emphasize certain bass frequencies, while canceling others. This effect can make the SW300 sound excessively boomy and inaccurate to some listeners, while to others it just seems like more bass sound. Some listeners prefer to place the subwoofer (or subwoofers) near the same location of the main left/right channel loudspeakers.

Because all rooms are unique, and people have different expectations with regard to audio quality, some experimentation may be necessary with regard to placement and control settings.

CONTROLS AND CONNECTORS

OPERATION CONTROLS

The SW300's operation controls are located on the unit's front panel, as shown in **Figure 1**. They function as follows:
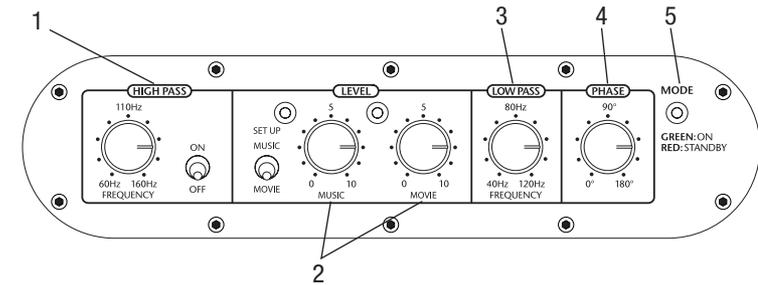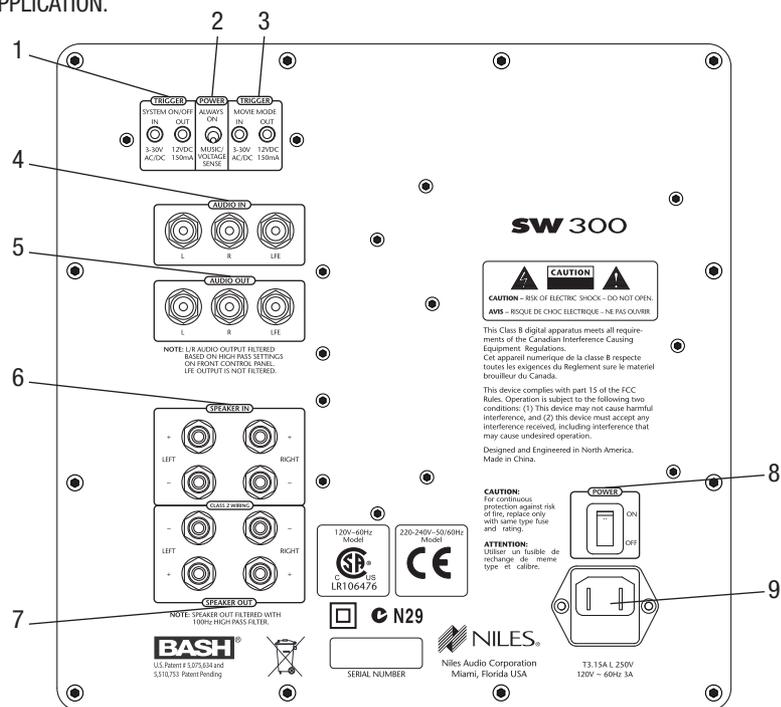

Figure 1. The SW300's front panel contains the subwoofer's operation controls.

1. *HIGH PASS Frequency and ON/OFF Controls: Use the HIGH PASS control to set the high-pass crossover frequency from 60 to 160 Hz (according to your loudspeaker manufacturer's recommendation) to drive a satellite loudspeaker system via a separate audio amplifier, from the line-level AUDIO OUT jacks (also see Figure 2 on page 8.) To activate the HIGH PASS filter, set the ON/OFF switch to ON. In the OFF position the filter is deactivated and full range audio is sent to the satellite amplifier.*

2. *MUSIC/MOVIE LEVEL and SETUP Controls: While listening to music, move SETUP to MUSIC and adjust the MUSIC LEVEL control to set a desired bass level. Similarly, while listening to a movie, move SETUP to MOVIE and adjust the MOVIE LEVEL control to set a desired bass level. Each level control includes an accompanying LED indicator to identify which one is currently active as triggered by your home theater sound processor or receiver (see Figure 2 on page 8). Also see SETTING UP THE SW300 on page 15.*

3. *LOW PASS Frequency Control: Use this control to set the subwoofer's low-pass crossover frequency from 40 to 120 Hz. Also see SETTING UP THE SW300 on page 15.*

4. *PHASE Control: Use this control to set the subwoofer's phase response from 0 to 180°. Also see SETTING UP THE SW300 on page 15.*

5. *The MODE indicator (on the far right) shows current status of the SW300: Green is ON; Red is STANDBY.*

SIGNAL CONNECTORS AND POWER CONTROLS

The SW300's signal connectors and power controls are located on the unit's rear panel, as shown in **Figure 2**. They function as follows:

NOTE: SEE **APPLICATIONS** STARTING ON PAGE 10 FOR DETAILED WIRING CONNECTIONS FOR YOUR APPLICATION.

Figure 2. The SW300's rear panel contains the subwoofer's signal connectors and power controls.

1. **POWER TRIGGER:** For external power triggering, use a mini (3.5 mm) plug to connect the **IN** jack to a power on/off trigger signal from a home theater sound processor or other sources voltage. Power on is 3 to 30 Vdc (or Vac). Power off is 0 Vdc (or Vac). Use the **OUT** jack to pass a 12Vdc, 150mA, **POWER TRIGGER** signal to another SW300 or other equipment in your system. **THIS JACK SHOULD NOT BE USED TO POWER OTHER EQUIPMENT.**

   NOTE: FOR A HOME THEATER RECEIVER NOT EQUIPPED WITH A POWER TRIGGER OUTPUT, CONSIDER USING A NILES 12-VOLT POWER SUPPLY AS A TRIGGER SIGNAL THAT IS ACTIVATED VIA A SWITCHED AC OUTLET ON THE RECEIVER. SEE **FIGURE 6** ON PAGE 13 FOR CONNECTION DETAILS.

2. (Auto) **POWER** Switch: Use the **ALWAYS ON** mode to leave the SW300 always on. Use the **MUSIC/VOLTAGE SENSE** mode to automatically power on the SW300 when audio

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signals are present. When signals are absent, the SW300 will enter the standby mode.

NOTE: THE ALWAYS ON AND MUSIC/VOLTAGE SENSE SETTINGS ARE ONLY ACTIVE AFTER (MASTER) POWER IS SET TO ON (SEE **#8** BELOW).

3. **MOVIE MODE TRIGGER:** For external movie/music mode triggering, use a mini (3.5 mm) plug to connect the **IN** jack to a movie trigger signal from a home theater sound processor or receiver. The 3 to 30 Vdc (or Vac) signal will set the SW300 to movie mode, while a 0 Vdc (or Vac) signal will keep it in the music mode. Use the **OUT** jack to pass a 12Vdc, 150 mA, movie trigger signal to another SW300.

   NOTE: FOR A HOME THEATER RECEIVER NOT EQUIPPED WITH A MOVIE/MUSIC TRIGGER OUTPUT, CONSIDER ADDING A NILES INTELLICONTROL HOME THEATER AUTOMATION SYSTEM OR A NILES MAIN SYSTEM UNIT (MSU250, MSU480, OR MSU440Z).

4. **AUDIO IN** jacks: Use these gold-plated, line-level RCA input jacks to connect line-level stereo and **LFE** audio signals from a home theater processor or receiver. The **LFE** (Low Frequency Effects) input is unfiltered and is not affected by the **LOW PASS** Frequency Control. **PHASE** Control and **LEVEL** Controls continue to function as normally expected.

5. **AUDIO OUT** jacks: Use these gold-plated, line-level RCA output jacks to connect line-level stereo and **LFE** audio signals to drive another SW300. The **LFE** output is unfiltered, but the **L/R** output signals may be routed through the variable (60 to 160 Hz) **HIGH-PASS** filter, and the response will be contoured according to filter settings when activated by control switch in the front (see **Figure 3** on page 10).

6. **SPEAKER IN** Binding Posts: As an alternative to the **AUDIO IN** jacks, use the loudspeaker-level, gold-plated, five-way binding posts to connect loudspeaker-level, stereo audio signals from a home theater processor or receiver. For additional connection details, see **FINISHING THE INSTALLATION** on page 14.

7. **SPEAKER OUT** Binding Posts: As an alternative to the **AUDIO OUT** jacks, use the loudspeaker-level, gold-plated, five-way binding posts to connect loudspeaker-level, stereo audio signals to drive your front **L/R** satellite loudspeakers. These signals are routed through a fixed, 80 Hz, (6 dB per octave) high-pass filter (for 8 ohm speaker load) and 160Hz (for 4 ohm speaker) and the frequency response will be contoured accordingly.

8. (Master) **POWER** Switch: Use this control to power on/off the SW300.

9. Detachable IEC Power Cord connection part and Built-In Fuse. If needed, replace the fuse with same type, as follows:

   • For 115/120 Vac @ 60 Hz, use a T3.15A, 250V fast-blow fuse.

   • For 230/240 Vac @ 50 Hz, use a T1.6A, 250V fast-blow fuse.

APPLICATIONS

The Niles SW300 12-inch, High-Power, Subwoofer is very flexible and can be configured for use in various applications with associated external audio components, as shown in **Figure 4** through **6**. For other SW300 applications, consult your local Niles dealer for help in configuring your home theater system.
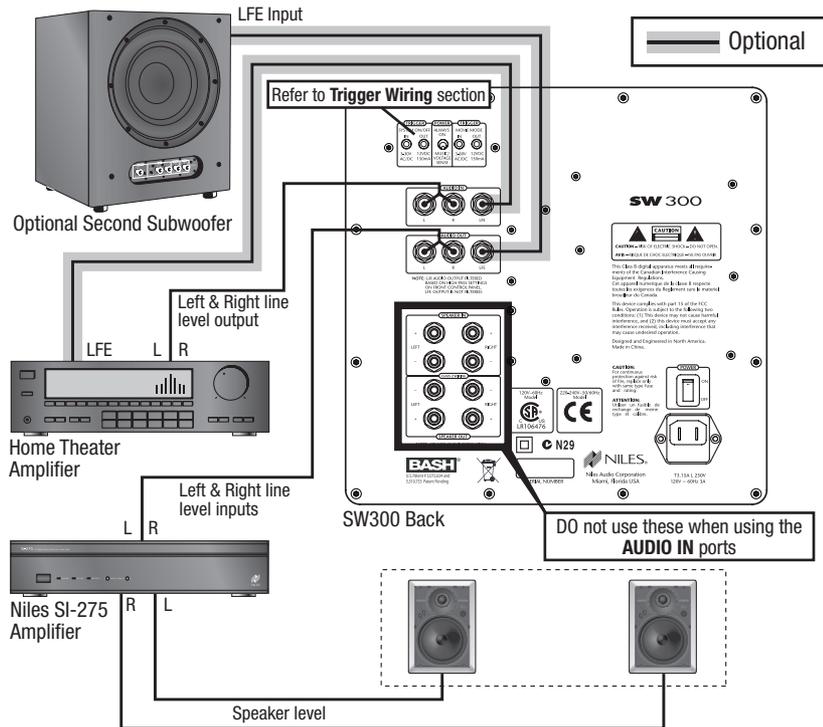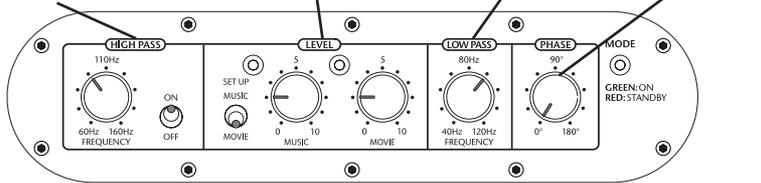
SW300 AND LINE-LEVEL CONNECTION TO SATELLITE LOUDSPEAKER SYSTEM

Set switch to **ON** and adjust **FREQUENCY** to match low frequency cutoff of your satellite speakers.
Alternate configuration:
Set switch to **OFF** to send full range audio to L/R **AUDIO OUT** jacks.

Position **SET UP** switch to the mode you wish to adjust **MUSIC OR MOVIE** and adjust level controls per instructions.

Set **LOW PASS** to closely match **HIGH PASS FREQUENCY** control.
NOTE: Control does not function when using **LFE** input.

Adjust **PHASE** to integrate subwoofer sound with system.

LFE Input

Optional

Refer to **Trigger Wiring** section

Optional Second Subwoofer

Left & Right line level output

LFE   L   R

Home Theater Amplifier

Left & Right line level inputs

L   R

R   L

Niles SI-275 Amplifier

SW300 Back

DO not use these when using the **AUDIO IN** ports

Speaker level

Figure 3. Line level connections

TWO SW300S AND SATELLITE LOUDSPEAKER SYSTEM

Set switch to **ON** and adjust **FREQUENCY** to match low frequency cutoff of your satellite speakers.
Alternate configuration:
Set switch to **OFF** to send full range audio to L/R **AUDIO OUT** jacks.

Position **SET UP** switch to the mode you wish to adjust **MUSIC OR MOVIE** and adjust level controls per instructions.

Set **LOW PASS** to closely match **HIGH PASS FREQUENCY** control.
NOTE: Control does not function when using **LFE** input.

Adjust **PHASE** to integrate subwoofer sound with system.
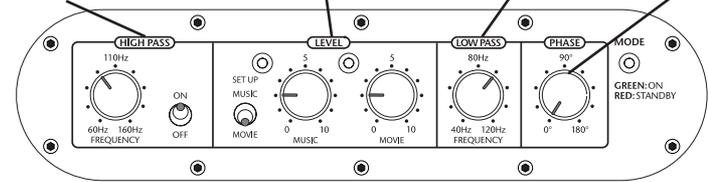
NOTE: ADJUST SETTING ON BOTH SW300 SUBS TO BE THE SAME

Niles ZR-8630AV Receiver

Trigger output   Line outputs

L   R

SW300 Back   SW300 Back

Line inputs

L   R

Niles SI-275 Amplifier

Optionally, you may wire in a similar fasion, using the speaker level inputs and outputs.
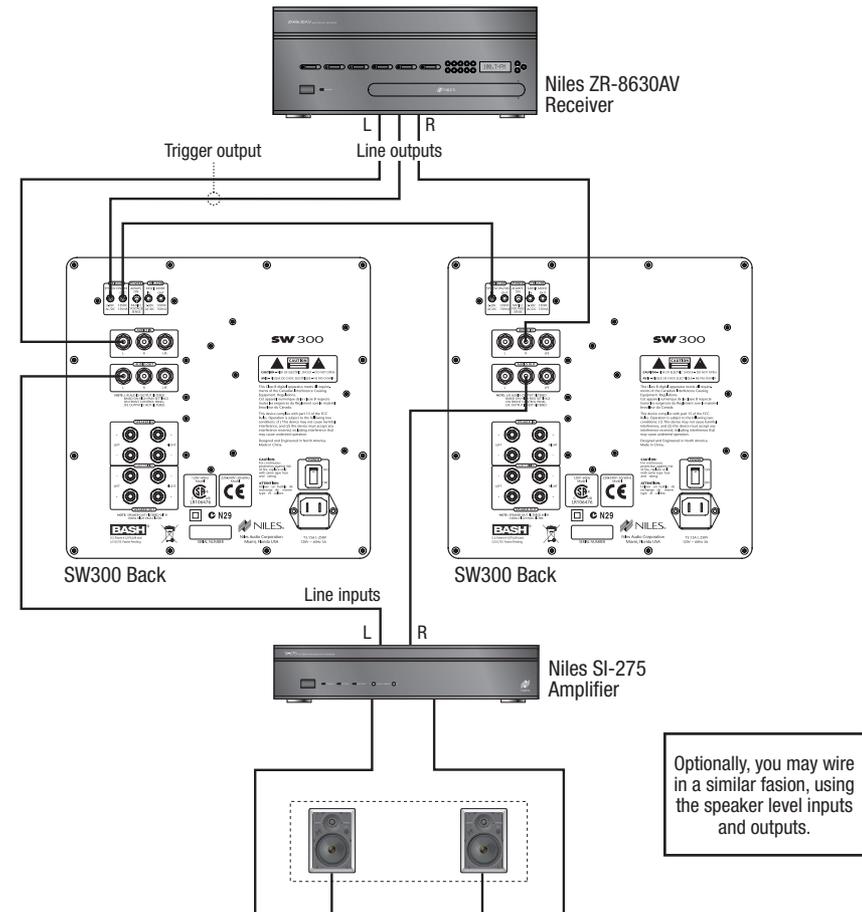
Figure 4. Stereo/dual subwoofer application

SW300 AND SPEAKER-LEVEL CONNECTION TO SATELLITE LOUDSPEAKERS

Control not used

Position **SET UP** switch to the mode you wish to adjust **MUSIC OR MOVIE** and adjust level controls per instructions.

Set **LOW PASS** to about 100Hz.

Adjust **PHASE** to integrate subwoofer sound with system.

Refer to **Trigger Wiring** section

DO not use these port when using the **SPEAKER** ports

Speaker level outputs

R   L

Niles SI-275

SW300 Back

Left satellite speaker

Right satellite speaker
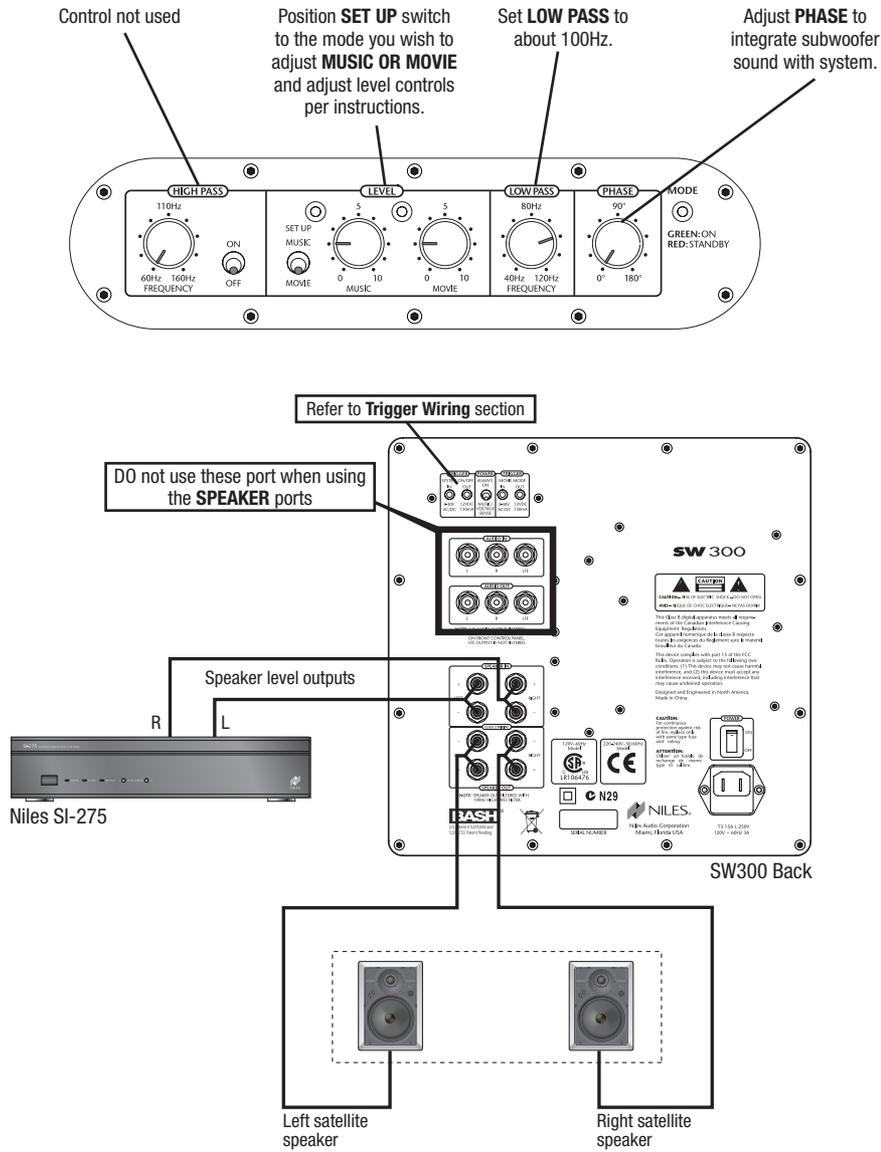
Figure 5. Speaker level connections

SW300 TRIGGERS WIRING

When using the system trigger, set this switch to **MUSIC/ VOLTAGE SENSE**

Optional

Trigger Input

Optional Second Subwoofer

Trigger Output

Niles ZR-8630AV Receiver

12V DC OUT

CS12V

POWER

Home Theater Amplifier

Refer to system audio wiring sections.

SW300 Back

To other Home theater equipment that is to be triggered on when Movie mode is active.

12V DC Trigger input
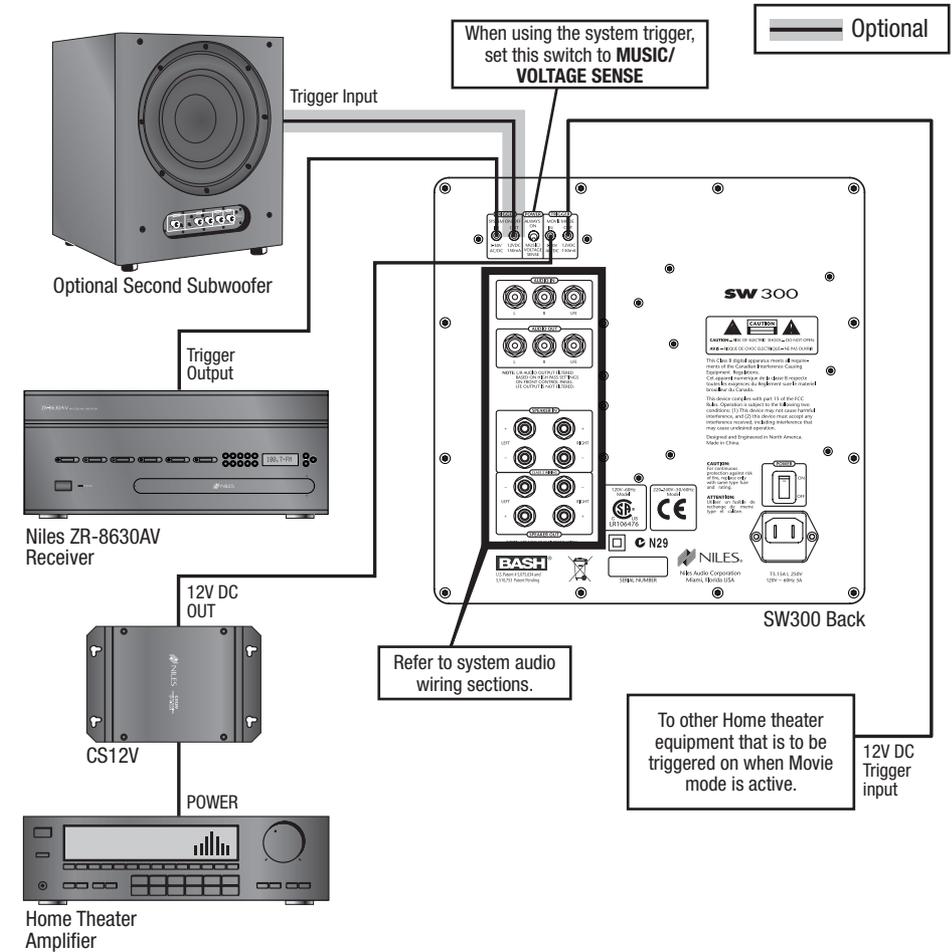
Figure 6. Trigger connections

FINISHING THE INSTALLATION

ADJUSTING THE FEET

The SW300 is equipped with four adjustable spike feet, pre-installed with large, slip-on rubber covers. At the final placement site, adjust the feet/spikes as follows:

- *On hard floors (e.g., wood, tile, etc.), check the SW300's stability and, if needed, adjust the rubber feet one at a time until the cabinet is level.*

- *On carpeted floors, tilt the SW300 up and remove each rubber cover. Check the SW300's stability and, if needed, adjust the spikes one at a time until the cabinet is level.*

CONNECTING THE SW300

Connect the SW300 according to your application (see **APPLICATIONS** on page 10). Use high-quality RCA cables for all line-level connections (see **CONTROLS AND CONNECTORS** on page 7). For applications with loudspeaker-level connections, perform the following steps:

1. *At each SW300 loudspeaker-level connection, separate the loudspeaker wire so that at least 2 inches of each conductor are free. Strip away 1/4 inch of insulation from each loudspeaker wire. Using correct polarity, connect the appropriate conductor to each five-way, speaker level, input binding post.*

   NOTE: OBSERVE CORRECT POLARITY: POSITIVE (+) GOES TO THE RED POST AND NEGATIVE (–) GOES TO THE BLACK POST. IF YOU ARE UNSURE OF WIRE POLARITY, SEE THE SECTION, **CHECKING PHASE ON THE SATELLITE LOUDSPEAKERS**, ON PAGE 16.

2. *Connect the other end of the loudspeaker wires to the home theater receiver (or amplifier) and satellite loudspeakers in the same way.*

3. *Using the five-way binding post of the SW300, connect the loudspeaker outputs to the appropriate satellite loudspeaker in the same way.*

4. *Turn on the home theater receiver and calibrate all loudspeakers in the system according to the receiver (processor) manufacturer's instructions.*

SETTING UP THE SW300

After making all the connections and calibrating the loudspeakers, set up the SW300 by performing the following steps (see **CONTROLS AND CONNECTORS** on page 7 for information on control operation):

1. *On the rear panel, set the (Master) **POWER** switch to **ON**. Depending on your application, set the (Auto) **POWER** switch to **ALWAYS ON** or **MUSIC/VOLTAGE SENSE**.*

2. *On the front panel, set the following controls (and switches) to their initial positions:*

   - ***HIGH PASS FREQUENCY** control (if applicable) = **160 Hz** (or value recommended by satellite loudspeaker manufacturer)*

   - ***HIGH PASS ON/OFF** switch = **ON***

   - ***LEVEL SETUP** switch = **MUSIC***

   - ***MUSIC LEVEL** control = **5***

   - ***MOVIE LEVEL** control = **5***

   - ***LOW PASS FREQUENCY** control = **120 Hz***

   - ***PHASE** control = **0°***

3. *While playing a favorite music track, adjust your system's volume control to a comfortable level and listen to the bass level at your favorite listening position (e.g., couch). Next, move the switch to **MOVIE** and play a favorite movie chapter. Listen to the bass level, and, if desired, adjust the **MOVIE LEVEL** control to change the movie bass level to taste.*

4. *Move the **LEVEL SETUP** switch back to **MUSIC** and play the music track again. If desired, adjust the **MUSIC LEVEL** control to taste.*

5. *Continue listening to your favorite music and movie sources using the appropriate setting for **LEVEL SETUP**. If you want a more solid-sounding bass (with less overtones), try moving the **LOW PASS FREQUENCY** control toward the lower frequencies. Experiment with different frequency settings until you find one that sounds best. If needed, readjust the **MOVIE LEVEL** and **MUSIC LEVEL** controls (see **steps 3** and **4** above).*

6. *Continue listening to your favorite music and movie sources using the appropriate setting for **LEVEL SETUP**. Try experimenting with the **PHASE** control until you find its optimum setting. Depending on the SW300 placement, the bass should sound more pronounced when the phase has been optimized.*

CHECKING PHASE ON THE SATELLITE LOUDSPEAKERS

Loudspeaker wire has two conductors. On applications with satellite loudspeakers, one conductor is attached to a component's negative (–) terminal, while the other is attached to a component's positive (+) terminal. Usually, the wire is marked for your convenience, but the marking can be done in the following different ways:

- *Stripe on one wire*

- *Ribbed area you can feel on one conductor*

- *Different colors of metal wire on each conductor*

- *Fabric strand or string wound into one of the conductors*

Of course, there are some wires that appear completely identical. If wired incorrectly, one satellite loudspeaker will be playing "out-of-phase" with the other loudspeaker. A pair of out-of-phase loudspeakers works against each other, and the sound of the two playing together will be lacking in bass and sound "phasey." If you suspect the sound is not right, and you cannot see any markings on the wire, try this simple test:

1. *Stand halfway between the satellite loudspeakers.*

2. *Play some music with the amplifier or receiver set to Mono.*

3. *Listen to the richness of the bass and the loudness of the sound.*

4. *Turn off the amplifier and reverse the connections on the SW300 **SPEAKER OUT** binding post.*

5. *Repeat the listening test with the same volume control setting. When the sound has a richer bass and is slightly louder, the satellite loudspeakers are working together or "in-phase."*

INSTALLING AND REMOVING THE GRILLE

- *To install the grille, start with the top two grille posts and gently press the grille frame in at each of the four recessed holes. When properly installed, the grille will be approximately 2 to 3 mm away from the cabinet along the sides.*

- *To remove the grille, start with the bottom two grille posts and gently pull the grille frame away from the SW300's edge at each of the four recessed holes. Store the grille in a safe place for future use.*

CLEANING

Use a dampened soft cloth or paper towel to clean the cabinet and grille.

SPECIFICATIONS

Driver Complement
One 12" Long-Throw Front-Firing Woofer

Amplifier Power
300 Watts (rms), less than 1% distortion;
600 Watts (peak)

Frequency Response
25 to 160 Hz, +/- 3 dB

Power Requirements
120 Vac, 60Hz or 220-240 Vac, 50/60Hz

Overall Dimensions (with grille)
15.25" W x 18.5" H x 21" D

Weight
56 pound, shipping weight

Certification
• Meets FCC Part 15 and ICES-003, Class B for USA and Canada
• CSA Listed and tested under UL/EN60065 standard
• CE compliant for the EU
• C-Tick compliant for Australia and New Zealand

FCC INSTRUCTIONS TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*

- *Increase the separation between the equipment and receiver.*

- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*

- *Consult the dealer or an experienced radio/TV technician for help.*

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

NOTES

LIMITED WARRANTY

NILES AUDIO CORPORATION ("NILES") WARRANTS ITS LOUDSPEAKER PRODUCTS TO THE ORIGINAL PURCHASER TO BE FREE OF MANUFACTURING DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF TWO YEARS FROM DATE OF PURCHASE.

THIS WARRANTY IS SUBJECT TO THE FOLLOWING ADDITIONAL CONDITIONS AND LIMITATIONS. THE WARRANTY IS VOID AND INAPPLICABLE IF NILES DEEMS THAT THE PRODUCT HAS BEEN USED OR HANDLED OTHER THAN IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER, INCLUDING BUT NOT LIMITED TO DAMAGE CAUSED BY ACCIDENT, MISHANDLING, IMPROPER INSTALLATION, ABUSE, NEGLIGENCE, OR NORMAL WEAR AND TEAR, OR ANY DEFECT CAUSED BY REPAIR TO THE PRODUCT BY ANYONE OTHER THAN NILES OR AN AUTHORIZED NILES DEALER.

TO OBTAIN WARRANTY SERVICE, TAKE THE UNIT TO THE NEAREST AUTHORIZED NILES DEALER, WHO WILL TEST THE PRODUCT AND IF NECESSARY, FORWARD IT TO NILES FOR SERVICE. IF THERE ARE NO AUTHORIZED NILES DEALERS IN YOUR AREA, YOU MUST WRITE TO NILES AND INCLUDE YOUR NAME, ADDRESS, MODEL AND SERIAL NUMBER OF YOUR UNIT, ALONG WITH A BRIEF DESCRIPTION OF THE PROBLEM. A FACTORY RETURN AUTHORIZATION NUMBER WILL BE SENT TO YOU. DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM NILES.

IF THE ABOVE CONDITIONS ARE MET, THE PURCHASER'S SOLE REMEDY SHALL BE TO RETURN THE PRODUCT TO NILES, IN WHICH CASE NILES WILL REPAIR OR REPLACE, AT ITS SOLE OPTION, THE DEFECTIVE PRODUCT WITHOUT CHARGE FOR PARTS OR LABOR. NILES WILL RETURN A UNIT REPAIRED OR REPLACED UNDER WARRANTY BY SHIPPING SAME BY ITS USUAL SHIPPING METHOD FROM THE FACTORY (ONLY) AT ITS EXPENSE WITHIN THE UNITED STATES OF AMERICA. THERE ARE NO OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION, EITHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER/ PURCHASER. NILES SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

FOR THE NAME OF YOUR NEAREST AUTHORIZED NILES DEALER CONTACT:
NILES AUDIO CORPORATION, P.O. BOX 160818, MIAMI, FLORIDA 33116-0818.

Please fill in your product information and retain for your records.

Model_____ Serial No._____ Purchase Date_____

DETACH HERE AND RETURN TO: NILES AUDIO CORPORATION WARRANTY REGISTRATION DEPT. P.O. BOX 160818 MIAMI, FLORIDA 33116-0818

WARRANTY REGISTRATION CARD

Model Purchased_____

Serial Number _____

Date Purchased (month/day/year) _____

Dealer Name and Location _____

_____

❍ Dr.   ❍ Miss   ❍ Mr.   ❍ Mrs.   ❍ Ms.

Name_____

Address_____

_____

City_____State_____Zip_____

Telephone (   ) _____

Please take a moment to fill out our warranty registration card. The information helps us to get to know you better and develop the products you want

Age:
❍ Under 25
❍ 25-34
❍ 35-44
❍ 45-54
❍ 55 & over

Income:
❍ Under $24,999
❍ $25,000-$34,999
❍ $35,000-$44,999
❍ $45,000-$59,999
❍ $60,000-$74,999
❍ $75,000-$99,999
❍ Over $99,999

Occupation:
❍ Arts/Entertainment
❍ Business Owner
❍ Engineer
❍ Finance/Accounting
❍ General Office
❍ Management
❍ Professional
❍ Sales/Marketing
❍ Student
❍ Tradesperson

Musical tastes:
(Please check all that apply)
❍ Alternative
❍ Classical
❍ Country
❍ Jazz
❍ New Age
❍ Popular
❍ R&B
❍ Rock
❍ Other _____

How did you hear about Niles?
❍ Architect/Developer
❍ Custom Installer
❍ Direct Mail
❍ Friend/Family
❍ In-Store Display
❍ Interior Designer
❍ Magazine Ad
❍ Mail-Order Catalog
❍ Newspaper Ad
❍ Product Brochure
❍ Product Review
❍ Retail Salesperson

What magazines do you read?
1. _____
2. _____
3. _____

Who will install the product?
❍ Custom Installer
❍ Electrician
❍ Friend
❍ Myself

Which factor(s) influenced the purchase of your Niles product? (Please check all that apply)
❍ Ease of Use
❍ Price/Value
❍ Product Features
❍ Quality/Durability
❍ Reputation
❍ Style/Appearance
❍ Warranty

Do you . . . ?
❍ Own a House. If yes, how many square feet?
_____

❍ Own a Town House/ Condominium/Co-op
❍ Rent an Apartment
❍ Rent a House

Are you interested in receiving literature on other Niles products?
❍ Yes   ❍ No

Are there products/ capabilities that you would like to see introduced?
_____
_____
_____
_____

NILES®

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1-305-238-4373

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